Receipt date: 10/12/2005

PTO/SB/98A (10-0)

Approved for use through 10/31/20/2, OMB 6651-0031

U.S. Patent and Trademark-Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Attorney Docket Number

Substitute for form 1449APTO
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

3026-6977US (R5/1145 PK/rs)

(use as many sheets as necessary)

		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of	
Examiner Initials *	Cite No. ¹	Number - Kind Code ² (uf known)		Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,287,321	11/22/1966	Temin	
		US- 4,880,508	11/14/1989	Aldissi	
		US- 4,929,389	05/29/1990	Aldissi	
		US- 5,708,130	01/13/1998	Woo et al.	
	1	US- 5,712,361	01/27/1998	Stern et al.	
		US- 5,777,070	07/07/1998	Inbasekaran et al.	
	1	US- 6,255,449 B1	07/03/2001	Woo et al.	·
		US- 6,541,602 B1	04/01/2003	Spreitzer et al.	-
	1	US- 6,653,438 B1	11/25/2003	Spreitzer et al.	
		US- 2004/0135131 A1	07/15/2004	Treacher et al.	
		US-			
		US-			8
		US-			
		US-		Y	
		US-			
		US-			

		FOREIG	GN PATENT DO	CUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ³ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		DE 198 46 767 A1	04/20/2000	Aventis Research		Х
		WO 01/62822 A1	08/30/2001	Cambridge Display Tech.		
		WO 01/77203 A2	10/18/2001	Uniax Corporation		
		WO 02/066537 A1	08/29/2002	Cambridge Display Tech.		
		WO 02/26859 A1	04/04/2002	Cambridge Display Tech.		
		WO 03/035713 A1	05/01/2003	Cambridge Display Tech.		

	Examiner Signature	/Liam Heincer/	Date Considered	06/06/2008
--	-----------------------	----------------	--------------------	------------

^{*}EXAM(NER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO

Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Parest Documents at <u>www.ustro.gov.or.</u> wr. PERF 001.04. *Their Office in that issued the document, by the two-letter code (VIPO Standard S.T.). *For Japanese post documents, the inclination of the year of the reign of the Empror number to the parter document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if you stand

oct 12 700 Per

PTO/SB/08B(10-03)
Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Personant Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

ATEM	Und	er the Pag	perwork Reduction Act of 1995, n	o persons are required to respond to a collec	tion of information unless it contains a valid OMB control number			
Substitute	for form 1449A/PTO		*	Complete if Known				
THE			COL COLIDE	Application Number	10/532,649			
			SCLOSURE	Filing Date	April 25, 2005			
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Bin Liu			
				Group Art Unit	Unknown			
(use as many sheets as necessary)				Examiner Name	Unknown			
Sheet	2	of	2	Attorney Docket Number	3026-6977US (R5/1145 PK/rs)			

		NON PATENT LITERA	TURE DOCUMI	ENTS				
Examiner Initials *								
		BALANDA, Peter B., et al., Water-Soluble and Bi (p-phenylene), Macromolecules, Vol. 32, No. 12,						
		BRODOWSKI, Gisela, et al., Communications to the Editor, Synthesis and Intrinsic Viscosity in Salt-Free Solution of a Stiff-Chain Cationic Poly(p-phenylene) Polyelectrolyte, Macromolecules, Vol. 29, No. 21, pp. 6962-6965, 1996.						
		CHILD, Andrew D., et al., Water-Soluble Rigid-Rod Polyelectrolytes: A New Self-Doped, Electroactive Sufonatoalkoxy-Substituted Poly(p-phenylene), Macromolecules, Vol. 27, No. 7, pp. 1975-1977, 1994.						
		KIM, Seungho, et al., Water Soluble Photo- and Electroluminescent Alkoxy-Sulfonated Poly(p-phenylenes) Synthesized via Palladium Catalysis, Macromolecules, Vol. 31, No. 4, pp. 964-974, 1998.						
		KIM. Young H., et al., Water-Soluble Hyperbranched Polyphenylene: "A Unimolecular Micelle"?, J. Am. Chem. Soc., Vol. 112, pp. 4592-4593, 1990.						
		KIM, Young H., et al., Hyperbranched Polyphenylenes, Macromolecules, Vol. 25. No. 21, pp. 5561-5572, Oct. 12, 1992.						
		MIYAURA, Norio, et al., Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds, Chem Rev., Vol. 95, No. 7, pp. 2457-2483, 1995.						
		PATIL, A.O., et al., Water-Soluble Conducting Polymers, J. Am. Chem Soc., Vol. 109, pp. 1858-1859, 1987.						
		PICKUP, Peter G., Poly-(3-Methylpyrnole-4-Carboxylic Acid): an Electronically Conducting Ion-Exchange Polymer, J. Electroanal. Chem., Vol. 225, pp. 273-280, 1987.						
		RAU, I.U., et al., Towards rigid-rod polyelectrolyt substituted by 6-iodohexyl side chains, Acta Polyt		-				
		RULKENS, Rudy, et al., Rigid-rod polyelectrolytes: synthesis of sulfonated poly(p-phenylene)s, Macromol. Rapid Commun., Vol. 15, pp. 669-676, 1994.						
		SHI, Songqing, et al., Synthesis and Characterization of a Water-Soluble Poly(p-phenylenevinylene) Derivative, Macromolecules, Vol. 23, No. 8, pp. 2119-2124, 1990.						
		WALLOW, Thomas I., et al., Communications to the Editor, In Aqua Synthesis of Water-Soluble Poly(p- phenylene) Derivatives, J. Am. Chem Soc., Vol. 113, pp. 7411-7412, 1991.						
Examiner Signature								

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 20 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 2023 I.D NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1430, Alexandrix, VA 2231-1440.